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PTO/SB/81 (10-00)

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# POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	09/739,982
Filing Date	December 18, 2000
First Named Inventor	Bridget D. Kimball
Group Art Unit	
Examiner Name	
Attorney Docket Number	18926-003230US, Client #D237CIP

I hereby appoint:

☒ Practitioners at Customer Number

20350

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☐ Practitioner(s) named below:

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as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

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I am the:

☐ Applicant.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.

Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

## SIGNATURE of Applicant or Assignee of Record

Name

Paul Bawel

Signature

Date

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☐ \*Total of forms are submitted.

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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Bridget D. Kimball, et al.

Application No./Patent No.: 09/739,982 Filed/Issue Date: December 18, 2000

Entitled: MULTIPLE SIGNATURE AUTHENTICATION IN CONDITIONAL ACCESS SYSTEMS

General Instrument Corporation, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

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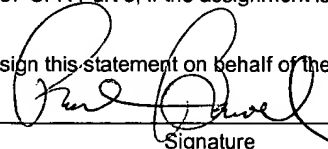
☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

**[NOTE:** A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

1/12/01  
Date

  
Signature

Paul Bawel

Typed or printed name

Senior IP Counsel, Manager of IP  
Prosecution

Title

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01-08-2001

Attorney Docket No. 18926-003230US  
Client Reference No.: D2317CIPFORM PTO-1595  
(Rev. 6-93)

101573879

U.S. Department of Commerce  
Patent and Trademark Office

To the Honorable Asst. Commissioner for Patents. Please record the attached original documents or copy thereof

## 1. Name of conveying party(ies):

Bridget D. Kimball, Kenneth P. Miller, Douglas M. Petty,  
Robert S. Eisenbart, Eric J. Sprunk

Additional name(s) of conveying parties attached?

☐ Yes ☒ No.

## 2. Name and address of receiving party(ies)

Name: General Instrument Corporation

Internal Address:

Street Address: 101 Tournament Drive

City: Horsham State: PA ZIP: 19044

Additional names and addresses attached?

☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other:

Execution Date: 11/27/00, 12/8/00, 12/11/00, 12/13/00

## 4. Application Number(s) or Patent Numbers.

If this document is being filed together with a new application, the execution dates of the application is: 11/27/00, 12/8/00, 12/11/00, 12/13/00

A. Patent Application No(s):

Additional numbers attached? ☐ Yes

B. Patent No(s):

☐ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: William F. Vobach  
TOWNSEND and TOWNSEND and CREW LLP  
Two Embarcadero Center, 8<sup>th</sup> Floor  
San Francisco, CA 94111-3834  
Phone: (303) 571-4000

## 6. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41): \$40.00

- ☐ Enclosed ☒ Charge Fees to Deposit Account  
☒ Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account.

8 Deposit account number: 20-1430

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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.

William F. Vobach  
Name of Person Signing*William F. Vobach*  
Signature12/18/2000  
Date

Atty Reg. No. 39,411

Total number of pages including cover sheet, attachments and document 3

## 10. Change Correspondence Address to that of Part 5?

☒ Yes ☐ No

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## ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Bridget D. Kimball, of 818 Eugenie Avenue, Encinitas, CA 92024; Kenneth P. Miller, of 12337 Witt Road, Poway, CA 92064; Douglas M. Petty, of 16393 Alipaz Ct., San Diego, CA 92127; Robert S. Eisenbart, of 833 East J Street, Chula Vista, CA 91910; Eric J. Sprunk, of 7309 Bolero Street, Carlsbad, CA 92009; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: MULTIPLE SIGNATURE AUTHENTICATION IN  
CONDITIONAL ACCESS SYSTEMS

Filing Date: Herewith

Application No.: \_\_\_\_\_; and

WHEREAS, GENERAL INSTRUMENT CORPORATION, a corporation of the state of Delaware, located at 101 Tournament Drive, Horsham, PA, 19044, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8<sup>th</sup> Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

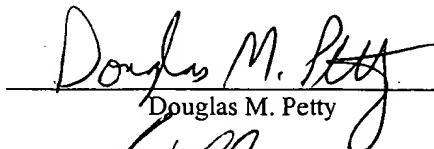
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Bridget D. Kimball

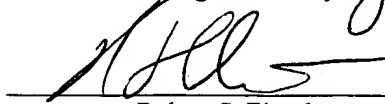
Dated: 11/27/00

  
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Dated: 12/11/00

  
Robert S. Eisenbart

Dated: 12/13/00

  
Eric J. Sprunk

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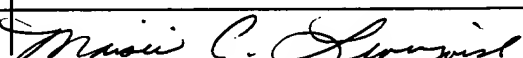
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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	<b>Application Number</b>	09/739,982	
	<b>Filing Date</b>	December 18, 2000	
	<b>First Named Inventor</b>	Kimball, Bridget D.	
	<b>Group Art Unit</b>	1714	
	<b>Examiner Name</b>		
<b>Total Number of Pages in This Submission</b>	1	<b>Attorney Docket Number</b>	018926-003230US

<b>ENCLOSURES (check all that apply)</b>		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Postcard Power of Attorney Statement Under 37 CFR 3.73(b) (with copy of Assignment)
<b>Remarks</b>		The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

<b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b>		
Firm and Individual name	Townsend and Townsend and Crew LLP Thomas D. Franklin	Reg. No. 43,616
Signature		
Date	12/28/01	

<b>CERTIFICATE OF MAILING</b>		
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: 12-28-01		
Typed or printed name	Maisie C. Livengood	
Signature		Date 12-28-01

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